

CALIFORNIA DEPARTMENT OF FORESTRY & FIRE PROTECTION  
OFFICE OF THE STATE FIRE MARSHAL  
FIRE ENGINEERING - BUILDING MATERIALS LISTING PROGRAM

# LISTING SERVICE

**LISTING No.** 7272-1209:224 Page 1 of 1

**CATEGORY:** Photoelectric Smoke Detector

**LISTEE:** System Sensor, 3825 Ohio Ave., St. Charles IL 60174  
Contact: Trish Linhart (630) 377-6674 Fax (630) 377-7245

**DESIGN:** Models 2WTA-B, 2WTR-B, 4WTA-B, 4WTR-B, 4WTAR-B and 4WITAR-B photoelectric smoke detectors. Units also employ a 135° supplemental integral thermistor type heat sensor for use only as a supplement to the smoke detector. This thermal circuitry in NOT approved for use in lieu of required heat detectors. Refer to listee's data sheet for detailed product description and operational considerations.

**RATING:** 8.5-35 Vdc – 2WTA-B, 2WTR-B  
10-35 Vdc – 4WTA-B, 4WTR-B, 4WTAR-B, 4WITAR-B

**INSTALLATION:** In accordance with listee's printed installation instructions, applicable codes and ordinances and in a manner acceptable to the authority having jurisdiction. Intended for vertical wall surface or ceilings in open areas with an air velocity of 0 to 1000 fpm.

**MARKING:** Listee's name, model number, electrical rating and UL label.

**APPROVAL:** Listed as photoelectric smoke detectors for use with separately listed compatible fire alarm control units. Models 2WTA-B, 4WTA-B, 4WTAR-B and 4WITAR-B only can generate a distinctive temporal code pattern fire alarm signal (for total evacuation) in accordance with NFPA 72, 1999 Edition.

**NOTE:** The photoelectric type detectors are generally more effective at detecting slow, smoldering fires that smolder for hours before bursting into flame. Sources of these fires may include cigarettes burning in couches or bedding. The ionization type detectors are generally more effective at detecting fast, flaming fires that consume combustible materials rapidly and spread quickly. Sources of these fires may include paper burning in a waste container or a grease fire in the kitchen.

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This listing is based upon technical data submitted by the applicant. CSFM Fire Engineering staff has reviewed the test results and/or other data but does not make an independent verification of any claims. This listing is not an endorsement or recommendation of the item listed. This listing should not be used to verify correct operational requirements or installation criteria. Refer to listee's data sheet, installation instructions and/or other suitable information sources.

Date Issued: **JUNE 16, 2003**

*Listing Expires **June 30, 2004***

Authorized By: **DIANE K. AREND, Senior Deputy  
Program Manager**